Special Issue

Characterization and Mechanics of Soft Materials

Message from the Guest Editors

The versatility in structure and physicochemical characteristics renders soft materials indispensable in a wide range of technological applications. The unique properties featuring the ability to sustain large elastic deformations, the sensitivity of equilibrium structures to external conditions, the responsitivity to electric fields, etc. underlie the successful design and fabrication of new soft materials. The fundamental insight and observations on the behavior of soft biological materials contribute to fostering the conception of novel tools in biomedicine and pharmacology. With a particular focus on the interface between physics, chemical engineering, and biology, research achievements in soft materials are expected to answer numerous challenging questions from theoretical, as well as from experimental points of view. In this Special Issue of *Materials* (ISSN 1996-1944), entitled "Characterization and Mechanics of Soft Materials", we invite original research articles and review papers in soft materials science and engineering, encouraging experimental, theoretical, and computational soft matter approaches.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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